

2005 Conservation Security Program Lower St. Francis Watershed

Practices and Activities Eligible for an Enhancement Payment

Practice Code	Practice Name	Component	Unit Type	Unit Cost	Cost Share Rate
EEM	Enhancement - Energy Management	Energy Audit.	Each	\$500.00	100%
EEM	Enhancement - Energy Management	Recycling of all used motor oil for tractors and lubricating oil for other farm equipment such as irrigation pumps or grain drying motors.	Year	\$200.00	100%
EEM	Enhancement - Energy Management	Use of perennial legumes in the crop rotation to reduce energy need for production of nitrogen.	Acre	\$0.70	100%
EEM	Enhancement - Energy Management	Use of annual legumes in the crop rotation to reduce energy need for production of nitrogen.	Acre	\$0.10	100%
EEM	Enhancement - Energy Management	Use of manure to supply at least 90% of nutrient needs of plants.	Acre	\$1.10	100%
EEM	Enhancement - Energy Management	Soil Tillage Intensity Rating (STIR) is less than 60.	Acre	\$0.50	100%
EEM	Enhancement - Energy Management	Soil Tillage Intensity Rating (STIR) is less than 30.	Acre	\$0.70	100%
EEM	Enhancement - Energy Management	Soil Tillage Intensity Rating (STIR) is less than 15.	Acre	\$0.90	100%
EEM	Enhancement - Energy Management	Use of renewable energy fuel (Biodiesel or Ethanol). Payments are made in \$25 increments for each 100 gallons <u>actual</u> biofuel used per year.	100 gal	\$25.00	100%
EEM	Enhancement - Energy Management	Renewable energy generation (solar, wind, water, geothermal, methane).	100 KWh	\$2.50	100%
EEM	Enhancement - Energy Management	5% energy reduction.	BTU's	\$100.00	100%

EEM	Enhancement - Energy Management	10% energy reduction.	BTU's	\$200.00	100%
EEM	Enhancement - Energy Management	20% energy reduction.	BTU's	\$500.00	100%
EGM	Enhancement - Grazing Management	Maintain grazing records; utilize monitoring tools; rotate feeding, loafing, and sacrifice areas; flash graze riparian corridors; allow regrowth of forage to 6 inches on introduced warm season grasses, 10 inches on cool season grasses and 15 inches on native warm season grasses before regrazing.	Acre	\$8.00	100%
EGM	Enhancement - Grazing Management	Time haying and livestock grazing to avoid nesting and fawning periods and allow for the establishment, development, and management of upland vegetation.	Acre	\$4.00	100%
EGM	Enhancement - Grazing Management	Improve pasture diversity by maintaining a botanical composition of pasture of more than 3 species of grasses and one species of legumes. Reseeding is accomplished through no-till establishment.	Acre	\$4.00	100%
EGM	Enhancement - Grazing Management	Optimize pasture soil fertility by maintaining soil test level of phosphorous between 60 and 200 lbs P2O5 per acre and pH greater	Acre	\$5.00	100%
EGM	Enhancement - Grazing Management	Manage and improve burn prescription on native forage to enhance wildlife and forage health	Acre Burned	\$18.00	100%
EGM	Enhancement - Grazing Management	Manage watering systems that insure livestock have limited access to ponds or streams, utilize watering troughs in fragile areas and are within 1000 feet of grazing locations.	Acre	\$4.00	100%
EGM	Enhancement - Grazing Management	Manage inter-seed legumes, native legumes and /or forbs.	Acre	\$35.00	100%
EHM	Enhancement - Habitat Management	Maintain habitat transition zones.	Acre	\$15.00	100%

EHM	Enhancement - Habitat Management	Leave cropland unharvested and residues undisturbed.	Acre Unharvested per	\$300.00	100%
EHM	Enhancement - Habitat Management	Maintain 3 Downed tree structures per 40 acres in field borders and/or buffers.	Acre	\$0.10	100%
EHM	Enhancement - Habitat Management	Manage Inter-seed native legumes and/or forbs and/or establish native grass species.- Cropland only.	Acre	\$15.00	100%
EHM	Enhancement - Habitat Management	Cropland Quail Bundle consisting of 20 foot; 1. Field Borders of native grass/forb mix, 2. Adjacent covey headquarters/edgefeathering, 3. Fescue or brome eradication AND 4. Prescribed burning or light disking once every 5 years.	Per Linear Foot of Field Border	\$0.10	100%
EHM	Enhancement - Habitat Management	Grazing Quail Bundle consisting of 20 foot; 1. Limit livestock use, 2. Edgefeathering of every headquarters within exclusion area, And 3. Fescue/Brome eradication within exclusion area once every 5 years.	Per Linear Foot of Fence	\$0.10	100%
EHM	Enhancement - Habitat Management	Utilize annual seasonal flooding of grain fields.	Acre Flooded per Year	\$13.00	100%
EHM	Enhancement - Habitat Management	Integrate moist-soil units into farming operation on rotation (50% of acres every other year) for migrant water birds to increase food sources and improve habitat.	Acre	\$5.00	100%
EHM	Enhancement - Habitat Management	Leave 1/3 of hay fields uncut from March 15 till July 15 and rotate on 3 yrs basis for nesting habitat.	Acre Unharvested	\$15.00	100%
EHM	Enhancement - Habitat Management	Improve wildlife habitat to achieve a Wildlife Habitat Index Level of 0.6 or greater.	Acre	\$5.00	100%

EHM	Enhancement - Habitat Management	Improve wildlife habitat to achieve a Wildlife Habitat Index Level of 0.7 or greater.	Acre	\$10.00	100%
EHM	Enhancement - Habitat Management	Improve wildlife habitat to achieve a Wildlife Habitat Index Level of 0.8 or greater.	Acre	\$15.00	100%
EHM	Enhancement - Habitat Management	Improve wildlife habitat to achieve a Wildlife Habitat Index Level of 0.9 or greater.	Acre	\$20.00	100%
EHM	Enhancement - Habitat Management	Improve wildlife habitat to achieve a Wildlife Habitat Index Level of 1.0.	Acre	\$25.00	100%
ENM	Enhancement - Nutrient Management	Reapportion nitrogen inputs by using split applications or controlled-release nitrogen products (e.g. polymer coating) to more effectively match crop needs to nitrogen availability.	Acre	\$5.00	100%
ENM	Enhancement - Nutrient Management	Significantly reduce nitrogen losses by applying a urease inhibitor.	Acre	\$10.00	100%
ENM	Enhancement - Nutrient Management	Use grid soil sampling and yield maps for P and K and use precision application equipment to increase fertilizer efficiency and utilization.	Acre	\$12.00	100%
ENM	Enhancement - Nutrient Management	Use or manage set-backs , hedgerows/field borders, filter strips and/or riparian buffers according to NRCS standard and specification.	Acre Year Managed	\$50.00	100%
ENM	Enhancement - Nutrient Management	Decrease nutrient loss potential by Incorporating manure products into soil.	Acre	\$7.50	100%
ENM	Enhancement - Nutrient Management	Maintain manure test at least once every five years, and soil testing and/or plant tissue testing biennially.	Acre	\$2.00	100%

ENM	Enhancement - Nutrient Management	Direct manure management application to soils with low P indexes to reduce environmental risks from excessive P build-up in the soil.	Acre/year	\$2.00	100%
ENM	Enhancement - Nutrient Management	Manage the treatment of poultry liter with alum to reduce phosphorus runoff (Water Quality Only).	Per Year	\$300.00	100%
ENM	Enhancement - Nutrient Management	Precision management of nutrients through use of geo-referenced computer record keeping. Electronic management records will include source, rate, & timing of fertilizer applications, tillage operations, planting dates, yield information, and harvest dates and be electronically geo-referenced to Arial photography.	Acre	\$2.00	100%
EPM	Enhancement - Pest Management	Utilize pesticides which have a WINPST Soil/Pesticide Interaction Loss Potential and Hazard Rating of "Low" or "Very Low".	Acre	\$10.00	100%
EPM	Enhancement - Pest Management	Utilize directed spray technology to reduce pesticide use.	Acre	\$7.50	100%
EPM	Enhancement - Pest Management	Minimize herbicide and pesticide use by spot spraying undesirable weeds, using natural parasite control procedures, using grazing management to control weeds and brush by clipping or grazing pastures to control weeds.	Acre	\$7.00	100%
EPM	Enhancement - Pest Management	Decrease environmental risks by utilizing field scouting, pest forecasting, and economic thresholds	Acre	\$7.00	100%
ESM	Enhancement - Soil Management	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 0.1.	Acre	\$1.16	100%

ESM	Enhancement - Soil Management	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 0.2.	Acre	\$2.32	100%
ESM	Enhancement - Soil Management	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 0.3.	Acre	\$3.48	100%
ESM	Enhancement - Soil Management	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 0.4.	Acre	\$4.64	100%
ESM	Enhancement - Soil Management	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 0.5.	Acre	\$5.80	100%
ESM	Enhancement - Soil Management	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 0.6.	Acre	\$6.96	100%
ESM	Enhancement - Soil Management	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 0.7.	Acre	\$8.12	100%
ESM	Enhancement - Soil Management	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 0.8.	Acre	\$9.28	100%
ESM	Enhancement - Soil Management	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 0.9.	Acre	\$10.44	100%

ESM	Enhancement - Soil Management	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 1.0.	Acre	\$11.60	100%
ESM	Enhancement - Soil Management	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 1.1.	Acre	\$12.76	100%
ESM	Enhancement - Soil Management	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 1.2.	Acre	\$13.92	100%
ESM	Enhancement - Soil Management	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 1.3.	Acre	\$15.08	100%
ESM	Enhancement - Soil Management	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 1.4.	Acre	\$16.24	100%
ESM	Enhancement - Soil Management	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 1.5.	Acre	\$17.40	100%
ESM	Enhancement - Soil Management	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 1.6.	Acre	\$18.56	100%
ESM	Enhancement - Soil Management	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 1.7.	Acre	\$19.72	100%

ESM	Enhancement - Soil Management	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 1.8.	Acre	\$20.88	100%
ESM	Enhancement - Soil Management	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 1.9.	Acre	\$22.04	100%
ESM	Enhancement - Soil Management	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 2.0.	Acre	\$23.20	100%
ESM	Enhancement - Soil Management	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 2.1.	Acre	\$24.36	100%
ESM	Enhancement - Soil Management	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 2.2.	Acre	\$25.52	100%
ESM	Enhancement - Soil Management	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 2.3.	Acre	\$26.68	100%
ESM	Enhancement - Soil Management	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 2.4.	Acre	\$27.84	100%
ESM	Enhancement - Soil Management	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 2.5 or greater.	Acre	\$29.00	100%

ESM	Enhancement - Soil Management	Reduce soil compaction by controlling areas of traffic that result in a Soil Tillage Intensity Rating (STIR) between 31 and 60.	Acre	\$0.50	100%
ESM	Enhancement - Soil Management	Reduce soil compaction by controlling areas of traffic that result in a Soil Tillage Intensity Rating (STIR) between 16 and 30.	Acre	\$1.00	100%
ESM	Enhancement - Soil Management	Reduce soil compaction by controlling areas of traffic that result in a Soil Tillage Intensity Rating (STIR) of 15 or less.	Acre	\$2.00	100%
ESM	Enhancement - Soil Management	Using GPS or other similar guided measure technology, reduce soil compaction by controlling areas of traffic that result in a Soil Tillage Intensity Rating (STIR) between 31 and 60.	Acre	\$1.00	100%
ESM	Enhancement - Soil Management	Using GPS or other similar guided measure technology, reduce soil compaction by controlling areas of traffic that result in a Soil Tillage Intensity Rating (STIR) between 16 and 30.	Acre	\$2.00	100%
ESM	Enhancement - Soil Management	Using GPS or other similar guided measure technology, reduce soil compaction by controlling areas of traffic that result in a Soil Tillage Intensity Rating (STIR) of 15 or less.	Acre	\$4.00	100%
EWM	Enhancement - Water Management	Irrigation Enhancement Index Level 1 - 60 - 64%.	Acre	\$2.00	100%
EWM	Enhancement - Water Management	Irrigation Enhancement Index Level 2 - 65 - 69%.	Acre	\$4.00	100%
EWM	Enhancement - Water Management	Irrigation Enhancement Index Level 3 - 70 - 74%.	Acre	\$6.00	100%
EWM	Enhancement - Water Management	Irrigation Enhancement Index Level 4 - 75 - 79%.	Acre	\$8.00	100%
EWM	Enhancement - Water Management	Irrigation Enhancement Index Level 5 - 80 - 84%.	Acre	\$10.00	100%

EWM	Enhancement - Water Management	Irrigation Enhancement Index Level 6 - 85% or greater.	Acre	\$12.00	100%
EDR	Enhancement - Drainage Management	Drainage Water Mgt Level 1 - 20 - 29.	Acre	\$2.00	100%
EDR	Enhancement - Drainage Management	Drainage Water Mgt Level 2 - 30 - 39.	Acre	\$4.00	100%
EDR	Enhancement - Drainage Management	Drainage Water Mgt Level 3 - 40 - 49.	Acre	\$6.00	100%
EDR	Enhancement - Drainage Management	Drainage Water Mgt Level 4 - 50 - 59.	Acre	\$8.00	100%
EDR	Enhancement - Drainage Management	Drainage Water Mgt Level 5 - 60 or more.	Acre	\$10.00	100%